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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

VOL. VIII, No. 6 McKEE PRINT. June, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of June, 1960, averaged 80,837 barrels daily, an increase of 3,096 barrels from the average May production of 77,741.

The nine refineries in the State processed 62,782 barrels of crude oil daily for the month of June, 1960, an increase of 17,919 barrels daily from the 44,863 barrels processed daily during the month of May, 1960.

During June, 31 wells were completed, 10 oil, 0 gas well and 21 dry holes.

During June, the Commission issued 44 permits to drill new wells, an increase of 21 from the 23 permits issued during May.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF JUNE, 1960

IN STORAGE JUNE 1st:	
By Producers	406,506
By Transporters	651,158
By Refiners	565,889
TOTAL STORAGE	1,623,553
Produced in Montana During Month	2,425,139
Imported During Month	955,846
TOTALS	5,004,538
DISPOSITION:	
Refined in Montana	927,626
Exported	2,245,442
Used for Fuel or Lost	2,808
TOTAL	3,175,876
IN STORAGE JUNE 30th	
By Producers	386,082
By Transporters	646,801
By Refiners	795,779
TOTAL STORAGE	1,828,662

NATURAL GAS WITHDRAWALS IN MONTANA

Month of June, 1960

Field	M Cu. Ft.
Bears Den	15,586
Big Coulee	40,876
Bowdoin	46,733
Bowes	98,133
Box Elder	35,155
Cabin Creek	93,748
Cedar Creek	211,493
Clarks Fork	48,429
Cut Bank (Including Reagan)	459,623
Devon	18,819
Dry Creek	78,930
Elk Basin	47,104
Flat Coulee	2,616
Golden Dome	0
Grandview	64,147
Hardin	3,699
Keith Block	0
Kevin Sunburst	51,858
Pine	89,846
Plevna	19,183
Utopia	0
Whitlash	53,360
Miscellaneous	100,857
TOTAL	1,580,195

Total Withdrawals for June, 1959 were 1,377,186 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF JUNE, 1960

Leases Operated	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	903	2,514	----------	2,681	----------	736
2	Bannatyne	6	2,748	705	----------	464	----------	2,989
1	Belfry	1	251	2,034	----------	2,099	----------	186
8	Big Wall	26	8,265	24,820	----------	29,414	----------	3,671
12	Blackfoot	17	4,059	11,177	----------	11,292	5	3,939
2	Border	2	----------	1,176	----------	1,176	----------	----------
20	Bowes	81	5,405	22,483	24,071	----------	----------	3,817
1	Bredette	1	2,042	358	823	----------	----------	1,577
2	Bredette, North	2	1,991	2,321	3,189	----------	380	743
3	Brorson	3	3,130	3,271	3,454	----------	----------	2,947
2	Cabin Creek	98	7,479	373,666	374,426	----------	----------	6,719
27	Cat Creek	105	5,210	12,181	11,223	1,898	----------	4,270
1	Clark's Fork	1	188	189	----------	----------	----------	377
2	Clark's Fork North	3	2,593	13,793	----------	12,956	----------	3,430
1	Cupton	2	737	743	1,224	----------	----------	256
364	Cut Bank	1,133	133,655	178,222	182,235	----------	----------	129,642
3	Deer Creek	6	1,205	14,488	13,946	----------	----------	1,747
3	Delphia	3	1,516	3,667	----------	3,652	----------	1,531
....	Devil's Basin	....	1,018	----------	----------	----------	----------	1,018
5	Dry Creek	5	888	2,575	2,699	----------	----------	764
20	Elk Basin	59	3,580	175,628	175,102	----------	----------	4,106
....	Fertile Prairie	....	252	----------	----------	----------	----------	252
2	Frannie	2	851	1,785	2,271	----------	----------	365
2	Gage	2	944	1,090	----------	1,078	13	943
3	Gas City	10	2,928	16,314	15,515	----------	----------	3,727
6	Glendive	12	6,188	38,741	39,880	----------	----------	5,049
4	Gypsy Basin	4	1,366	852	----------	982	26	1,210
....	Hawk Creek	....	74	----------	----------	----------	74	----------
9	Ivanhoe	17	6,022	26,668	----------	25,470	----------	7,220
1	Keg Coulee	1	765	3,804	----------	4,179	----------	390
201	Kevin Sunburst	1,318	16,692	69,030	70,593	----------	----------	15,129
1	Little Beaver	8	1,896	18,202	18,216	----------	----------	1,882
5	Little Beaver, East	13	2,271	27,587	27,448	----------	----------	2,410
4	Melstone	9	2,327	2,662	----------	2,380	----------	2,609
5	Monarch	12	5,254	36,661	37,430	----------	----------	4,485
3	Mosser	5	348	500	----------	500	----------	348
7	Outlook	11	11,806	33,725	36,018	----------	----------	9,513
3	Outlook, South	3	3,787	4,007	4,160	----------	----------	3,634
11	Pennel	20	7,559	42,498	42,707	----------	----------	7,350
5	Pine	143	22,644	430,031	433,717	----------	----------	18,958
79	Pondera	326	9,250	42,002	42,178	----------	----------	9,074
7	Poplar, East	83	21,825	237,733	237,253	----------	17	22,288
3	Poplar, Northwest	4	909	1,893	1,446	----------	----------	1,356
4	Ragged Point	9	5,315	16,130	----------	15,966	----------	5,479
....	Rattlesnake Butte	....	116	----------	----------	----------	----------	116
4	Reagan	50	2,941	15,108	15,593	----------	----------	2,456
10	Red Creek	17	3,871	29,854	----------	29,306	----------	4,419
1	Redstone	1	973	103	603	----------	----------	473
1	Repeat	1	410	1,554	1,795	----------	----------	169
8	Richey	11	4,946	15,501	15,415	----------	----------	5,032
2	Richey, Southwest	2	1,795	6,341	6,406	----------	----------	1,730
2	Rosebud County	2	1,034	6,545	----------	6,339	----------	1,240
6	Sand Creek	7	4,716	23,214	23,719	----------	----------	4,211
2	Sheridan County	2	665	15,205	----------	11,620	----------	4,250
2	Snyder	4	1,121	1,668	----------	2,157	----------	632
4	Soap Creek	17	3,665	3,752	----------	3,389	93	3,935
10	Stensvad	26	12,768	176,516	172,646	----------	----------	16,638
27	Sumatra	85	25,472	164,828	155,194	14,697	----------	20,409
4	Sweetgrass Hills	4	732	498	----------	546	----------	684
8	Whitlash	33	13,429	2,663	3,003	----------	----------	13,089
6	Wills Creek	12	4,153	31,782	31,881	----------	----------	4,054
9	Wolf Springs	18	3,781	30,780	31,030	----------	----------	3,531
2	Woodrow	2	1,054	1,301	2,205	----------	----------	150
....	Yellowstone	....	728	----------	----------	----------	----------	728
953		3,864	406,506	2,425,139	2,260,714	184,241	608	386,082

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960	7,565,291	83,135	7,540,471	82,862
April, 1960	2,442,749	81,424	2,422,744	80,758
May, 1960	2,409,983	77,741	2,397,864	77,350
June, 1960	2,425,139	80,837	2,444,955	81,498

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
April, 1960	395,440	615,002	624,729	1,635,171
May, 1960	406,506	651,158	565,889	1,623,553
June, 1960	386,082	646,801	795,779	1,828,662

*Includes Wyoming Oil.

TRANSPORTERS REPORT
MONTH OF JUNE, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,681				2,681		
BANNATYNE—Truck			464			464			
BELFRY—Truck			2,099				2,099		
BIG WALL—Truck			29,414			29,414			
BLACKFOOT—Union Oil Co.			11,292			11,292			
BORDER—Truck			1,176			1,176			
BOWES—									
Trigood Oil Co.	2,320	3,277			(51)	3,073			2,575
Texaco Inc.		20,794				20,794			
	2,320	24,071			(51)	23,867			2,575
BRORSON—Sun Oil Company		3,454					3,454		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	308,280	968,239		471,746			1,413,429		334,835
Shell Pipe Line Corp.	4,724	144,417			(220)			145,752	3,609
	313,004	1,112,655		471,746	(220)		1,413,429	145,752	338,444
CAT CREEK—									
Continental Pipe Line Co.	5,983	11,223			7	10,493			6,706
Truck			1,898			1,898			
	5,983	11,223	1,898		7	12,391			6,706
CLARK'S FORK—Truck			12,956				12,956		
CUT BANK—									
Big West Oil Co.		721		27,688		28,409			
Darling Gathering System, Inc.	1,609	11,490						11,559	1,540
Phillips Petroleum Co.	28,249	51,286		19,987	1,696	66,702		19,987	11,137
Texas Pipe Line Co.	46,721	30,854		21,428	48	23,431		32,649	42,875
Toronto Pipe Line Co.	27,037	44,457			120			54,190	17,184
Union Oil Co.	92,048	48,776		38,643	(475)	69,379			110,563
	195,664	187,584		107,746	1,389	187,921		118,385	183,299
DELPHIA—Truck			3,652			3,652			
DRY CREEK—									
Marathon Pipe Line Co.	7,148	2,699			(81)	3,403			6,525
ELK BASIN—Ohio Oil Co.		175,102					175,102		
FRANNIE—Ohio Oil Co.		2,271					2,271		
GAGE—Truck			1,078			1,078			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	10,234	79,235		934	453		47,559	30,103	12,288
GYPSY BASIN—Truck			982			982			
IVANHOE—Truck			25,470				25,470		
KEG COULEE—Truck			4,179			4,179			
KEVIN-SUNBURST—									
Big West Oil Co.	2,135	47,953				47,948			2,140
Homestake Oil & Gas Co.	452	2,880		11,559		14,685			206
The Texas Pipe Line Co.	4,077	35,347			345	35,002			4,077
	6,664	86,180		11,559	345	97,635			6,423
MELSTONE—Truck			2,380			2,380			
MOSSER—Truck			500				500		
PONDERA—Phillips Petr. Co.	33,963	43,664			(999)	56,470			22,156
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	31,688	294,122			414			295,880†	29,516
RAGGED POINT—Truck			15,966			15,966			
REAGAN—Union Oil Co.		15,593				15,593			
RED CREEK—Truck			29,306			4,316	24,990		
SNYDER—Truck			2,157				2,157		
SOAP CREEK—Truck			3,389				3,389		
SUMATRA AND STENSVAD—									
Powder River Pipe Line Inc.	31,756	327,840			(1,578)	288,446	40,655		32,073
Truck			14,697				14,697		
	31,756	327,840	14,697		(1,578)	288,446	55,352		32,073
SWEETGRASS HILLS—Truck			546			546			
WHITLASH—									
Homestake Oil & Gas Co.		2,060			37	1,803			220
Western Natural Gas Co.	1,873	1,638						1,865	1,646
	1,873	3,698			37	1,803		1,865	1,866
WOLF SPRINGS—									
Powder River Pipe Line Co.	10,961	31,030			981	35,980			4,930
UN-NAMED—Rosebud County Truck			6,339				6,339		
UN-NAMED—Sheridan County Truck			11,620				11,620		
TOTALS	651,158	2,400,421	184,241	591,985	697	798,954	1,789,368	591,985	646,801

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF JUNE, 1960

Field	Big West Oil Co.	Humble Oil & Refining Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petro. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	9,617	9,617
Border	1,130	.....	.....	.....	.....	.....	.....	.....	.....	1,130
Bowes	.....	.....	.....	18,975	.....	.....	.....	.....	.....	18,975
Brady	.....	.....	.....	.....	.....	.....	91	.....	.....	91
Cat Creek	.....	.....	6,917	.....	3,440	.....	.....	.....	.....	10,357
Cut Bank	27,489	.....	.....	.....	.....	.....	66,702	.....	70,848	165,039
Dry Creek	.....	.....	.....	.....	2,636	.....	.....	.....	.....	2,636
Elk Basin	.....	87,986	39,896	.....	.....	.....	.....	.....	.....	127,882
Gage	.....	.....	.....	.....	318	.....	.....	.....	.....	318
Kevin-Sunburst	35,559	.....	.....	.....	.....	.....	.....	.....	.....	35,559
Melstone	.....	.....	.....	.....	9,364	.....	.....	.....	.....	9,364
Pondera	.....	.....	.....	.....	.....	.....	57,806	.....	.....	57,806
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	15,593	15,593
Sumatra	.....	246,141	402	.....	163,840	.....	.....	.....	.....	410,383
Sweetgrass Hills	546	.....	.....	.....	.....	.....	.....	.....	.....	546
Whitlash	195	.....	.....	.....	.....	.....	.....	.....	962	1,157
Wolf Springs	.....	61,173	.....	.....	.....	.....	.....	.....	.....	61,173
Total Montana Oil	64,919	395,300	47,215	18,975	179,598	.....	124,599	.....	97,020	927,626
Canadian Oil Imported	.....	.....	.....	.....	.....	.....	.....	.....	3,494	3,494
Wyoming Oil Imported	.....	523,500	6,977	.....	421,875	.....	.....	.....	.....	952,352
TOTAL Montana, Canadian & Wyoming Oil	64,919	918,800	54,192	18,975	601,473	.....	124,599	.....	100,514	1,883,472

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	11	41,483	71,392
June, 1959	33,382	15	42,965	76,362
June, 1960	30,920	117	31,745	62,782

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
43.71%	.02%	56.27%
49.25%	.19%	50.56%